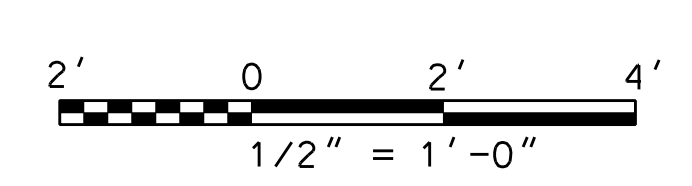


NOTES

1. SEE E000 FOR ELECTRICAL LEGEND AND GENERAL NOTES.
2. ALL CONDUIT PASSAGE THROUGH EXTERIOR BUILDING WALLS SHALL BE PROVIDED WITH WATERPROOF SEALS.
3. WALL-MOUNTED TELCO GROUNDING PLATE SEE DETAIL 1&2/ E660. BOND PLATE TO OVERHEAD BUILDING STEEL WITH #6 AWG. PROVIDE GROUNDING STUB UP AT SLAB AND ROUTE 1 #4/0 IN PVC TO COUNTERPOISE.
4. WALL MOUNTED MAIN GROUND PLATE SEE DETAIL 2&3/ E660. PROVIDE GROUNDING STUBUP AT SLAB AND PROVIDE 2-500 KCMIL THW. IN 3" PVC TO COUNTERPOISE.
5. BUILDING COLUMN BONDING PLATE. PROVIDE THOMPSON #568 OR EQUAL BRONZE 4"x4" BONDING PLATE (6R) EXOTHERMIC WELD (8 SQ. IN.) MIN. TO STRUCTURAL STEEL COLUMN (TYPICAL).
6. #4/0 COPPER FROM EES TO LIGHTNING DOWN CONDUCTOR. SEE NOTE 10 FOR MORE INFORMATION.
7. SUPPLEMENTAL GROUND PLATE SEE DETAIL 1&2/ E660. PROVIDE GROUNDING STUBUP AT SLAB AND PROVIDE 1-500 KCMIL THW IN 2" PVC TO COUNTERPOISE.
8. COORDINATE LOCATION AND DEPTH BELOW GRADE OF WATER, SANITARY, STORM AND FIRE SPRINKLER WATER PIPE WITH FIRE PROTECTION AND PLUMBING CONTRACTORS.
9. PROVIDE UL LABELED PIPE CLAMP TYPE BONDING STRAP FOR IRON PIPE AND CONNECT #2/0 BSDC TO COUNTERPOISE WITH EXOTHERMIC WELD.
10. LIGHTNING PROTECTION DOWN CONDUCTORS: STANDARD TINNED COPPER, 28 STRANDS 14 AWG EACH STRAND, 375 LB/1000FT., CROSS SECTION AREA 115,000 CM. ANCHOR MAXIMUM 3'-0" O.C. EXOTHERMICALLY WELD TO #4/0 BSDC 75" ABOVE FINISHED GRADE AND EXTEND #4/0 TO GROUND ROD. PROTECT EXPOSED PORTION OF #4/0 WITH 1" PVC UP TO 72" SO THAT WELD IS VISIBLE.

1 GROUNDING PLAN - GROUND LEVEL - TELCO
E160 SCALE: 1/2" = 1' - 0"



SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES.		PAGE		OF 63	
7000 CENTRAL PARKWAY, SUITE 1475 ATLANTA, GEORGIA 30328 HEI JOB NUMBER: 09033.00					
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION					
ATHENS AIRPORT TRAFFIC CONTROL TOWER ATCT - MAJOR SUSTAIN AND SEISMIC MITIGATION ELECTRICAL GROUNDING PLAN - GROUND LEVEL - TELCO					
ATHENS (ATHENS MUNICIPAL AIRPORT)		GA			
REVIEWED BY	SUBMITTED BY	APPROVED BY			
	VIRGIL HOOPER, PE.	MARK BEEKMAN			
DESIGNED	ANL	ISSUED BY	DATE	JCN	804669
DRAWN	ANL	ATLANTA TERMINAL ENGINEERING CENTER	DRAWING NO	AHN-D-ATCT-E160	
CHECKED	TJH				REV